

## Group #5:

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## **Motivation**

- Sticking to exercise regime is difficult due to lack of time and low motivational levels.
- Music makes exercise interesting,
- Research shows that correct music can enhance the exercising experience,
   limit the feeling of compulsion and make the exercise productive.
- Songs not matching the taste of the user may spoil his mood and demotivate him from continuing.
- Exercise, when modified as a game to challenge friends and declare winners, can create additional drive.
- Analysing a workout is the most effective way of providing encouraging information.



## Contribution

- Detects user's steps
- Plays songs with equivalent bpm from user's youtube playlist.
- Provides Training templates for exercise.
- Provides Challenge mode to compete with friends.
- Provide weather forecast for best time and place.
- View Graphical representation to monitor exercise routines.



# **Implementation**

- Sign in with Google account
- Gets access to the user's youtube playlist details.
- The User begins his run.
- Sense user's steps per minute
- Calculate Beats per Minute (Bpm) of the songs via
   Echonest API
- Song with matching bpm is chosen from the user's Youtube account.
- User can switch between songs.



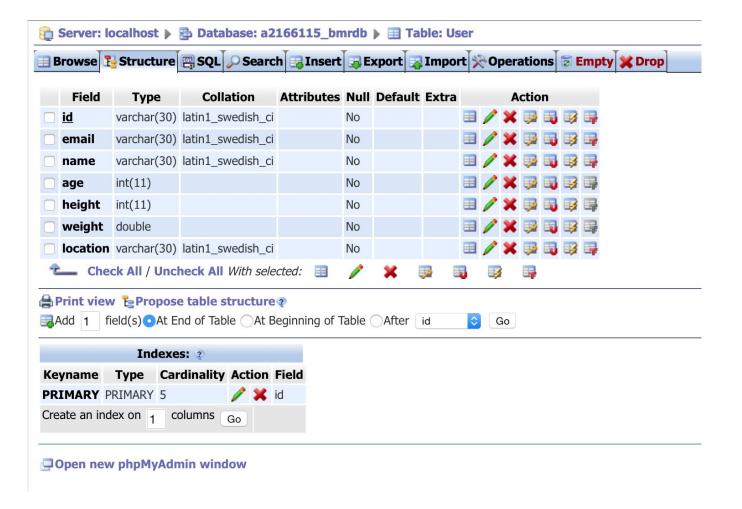
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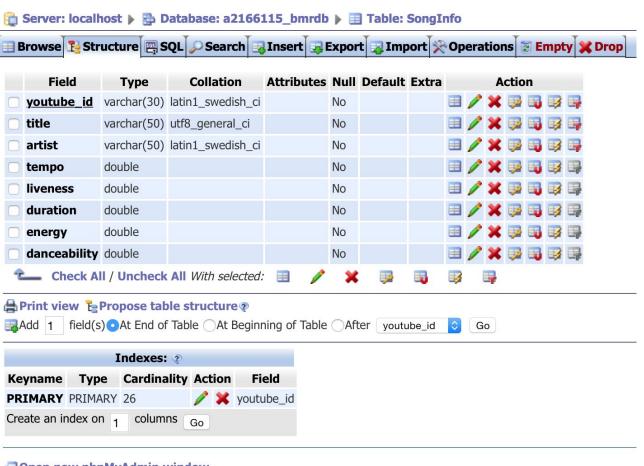
- User can challenge other app users to a Run
- The selected opponent/s are notified when user sends a challenge. The opponent can choose to accept/decline the challenge.
- Training templates for different levels of exercise.
- Graphical representation of data to track exercise details.
- Visualization of previous accomplishments over past week and month



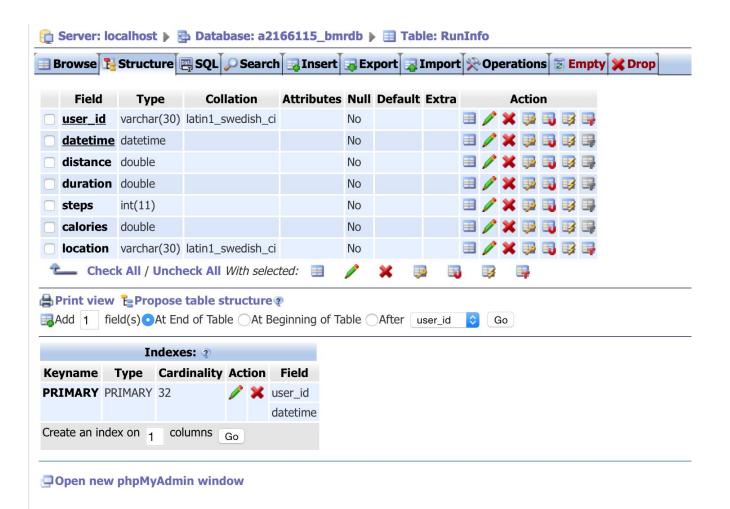
## **Database**

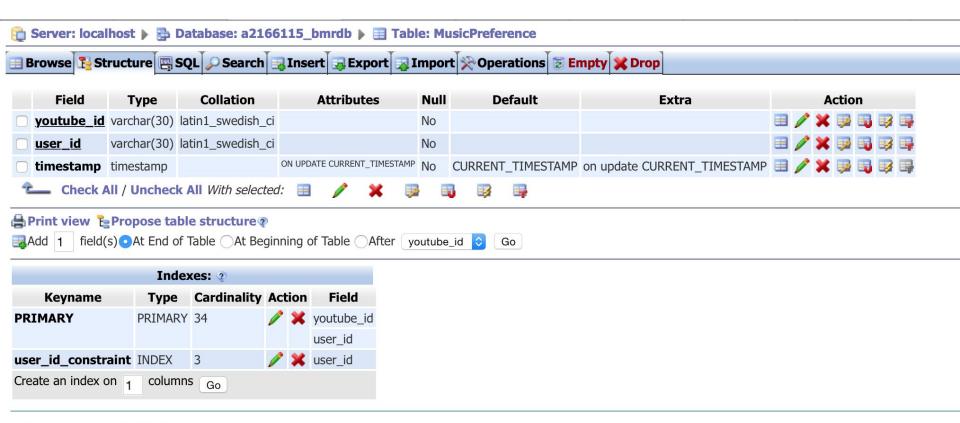
- Database is built on a public server, thus it work for everyone.
- It is dynamically populated when the App Runs.
- It is Built is MySQL
- We have used pHpAdmin.
- The server scripting is done by the .php files
- The .php files are called from the Android Studio through the URL
- The database connection is made in the .php files.
- The Result is JASON encoded.
- Parameters are passed and retrieved from the queries in the php files.





Open new phpMyAdmin window





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